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## WHAT IS CLAIMED IS:

1. A method for controlling a priority access and channel assignment (PACA) call in a mobile telecommunication system, the method comprising:

sending a new origination message from a mobile station in a PACA state to a base station;

sending a service request message for the PACA call from the base station to a mobile switching center;

requesting from the mobile switching center that the base station assign a traffic channel to the mobile station;

assigning an available traffic channel to the mobile station to start a communication; and

distinguishing the PACA call service from an ordinary call service.

- 2. A method as defined in Claim 1, wherein the new origination message includes a parameter for indicating that that the PACA call is requested again.
- 3. A method as defined in claim 1, wherein the available traffic channel is assigned to the mobile station to start a communication by the base station.
- 4. A method as defined in claim 1, wherein the PACA call service is distinguished from the ordinary call service by the mobile switching center.
- 5. A method for controlling a PACA call in a mobile telecommunication system, the method comprising:

determining whether or not an origination message from a mobile station for the PACA call has the same subscriber's registered location as the subscriber's registered location in a visitor location register (VLR);

determining that the mobile station has been handed off from a previous base station to a new base station if the subscriber's registered location of the origination message is not the same as that of the VLR;

sending a first PACA call update message to the previous base station; and deleting the first PACA call information from the previous base station.

- 6. A method as defined in Claim 5, wherein the deleted first PACA call information is stored in a PACA call buffer of the previous base station.
- 7. A method as defined in Claim 5, wherein the subscriber's location registered in the VLR is registered when the mobile station is shifted to a PACA state after sending the origination message.
- 8. A method as defined in Claim 5, wherein the origination message is determined as the PACA call by detecting a parameter representing the PACA call.
- 9. A method as defined in Claim 8, further comprising:
  determining whether the mobile station is in the PACA state or not, if the subscriber's registered location of the origination message does not agree with that of the VLR;

determining whether a cell ID of the origination message agrees with the origination message registered in the VLR if the mobile station is in the PACA state;

determining that the mobile station has sent a new origination message in the PACA state if the cell ID of the origination message agrees with that registered in the VLR;

sending a second PACA call update message to the previous base station; and deleting the second PACA call information from the previous base station.

10. A method as defined in Claim 9, wherein the PACA call deleted from the base station is previously stored in the PACA call buffer of the base station.

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11. A method for controlling a PACA call in a mobile telecommunication system, the method comprising:

sending a PACA call cancel message from a mobile station in a PACA state to a base station:

sending a PACA call update message from the base station to a mobile switching center; and

sending a mobile station PACA CALL update message from the mobile switching center to the VLR.

- 12. A method as defined in Claim 11, further comprising deleting the PACA call update message from the mobile station.
- 13. A method for controlling a PACA call in a mobile telecommunication system, the method comprising:

analyzing information from a receiving subscriber toward which a call signal is directed; and

canceling the call signal when a mobile station of the receiving subscriber is in a PACA state.

- 14. A method as defined in Claim 13, further comprising sending a busy tone to a sending subscriber who has generated the call signal.
- 15. A method as defined in Claim 13, further comprising sending a call message to the mobile station of the receiving subscriber when it is not in the PACA state.
- 16. A system for controlling a priority access and channel assignment (PACA) call in a mobile telecommunication system, the system comprising:

a mobile station configured to send a new origination message in a PACA state to a base station;

the base station configured to send a service request message for the PACA call to a mobile switching center;

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the mobile switching center configured to request the base station to assign a traffic channel to the mobile station;

the base station further configured to assign an available traffic channel to the mobile station to start a communication; and

the mobile switching center further configured to distinguish the PACA call from an ordinary call service.

17. An apparatus for controlling a priority access and channel assignment (PACA) call in a mobile telecommunication system, the apparatus comprising:

a mobile switching center configured to distinguish a PACA call from an ordinary call service.